

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.

In the Specification

Applicant presents replacement paragraphs below indicating the changes with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Please replace the paragraph beginning at page 21, line 30 with the amended paragraph/line as follows:

Figure 1: is a DNA sequence (SEQ ID NO:98) identified in the Incyte LifeSeq™ database coding for a novel VEGF-X protein.

Please replace the paragraph beginning at page 21, line 34 with the amended paragraph/line as follows:

Figure 2: is an illustration of amino acid sequence (SEQ ID NO:99) of the nucleic acid sequence of Figure 1.

Please replace the paragraph beginning at page 22, line 17 with the amended paragraph/line as follows:

Figure 6: is an illustration of the sequence (SEQ ID NO:100 and SEQ ID NO:101) obtained from the RACE experiment.

Please replace the paragraph beginning at page 22, line 20 with the amended paragraph/line as follows:

Figure 7: is an illustration of the nucleotide sequences (SEQ ID NO:102 AND SEQ ID NO:103) obtained from the search of LifeSeq™ database using the sequence in Figure 6.

Please replace the paragraph beginning at page 22, line 29 with the amended paragraph/line as follows:

Figure 9: is an illustration of the entire coding sequence (SEQ ID NO:104) of VEGF-X.

Please replace the paragraph beginning at page 22, line 36 with the amended paragraph/line as follows:

Figure 11: is an alignment of the sequence of Figure 10 with the sequences of VEGF-A to D (SEQ ID NOs:105-109).

Please replace the paragraph beginning at page 23, line 4 with the amended paragraph/line as follows:

Figure 12: is an illustration of variant sequences (SEQ ID NOs:110-112) of the VEGF-X protein according to the invention.

Please replace the paragraph beginning at page 23, line 16 with the amended paragraph/line as follows:

Figure 14: depicts nucleic acid sequences (SEQ ID NOs:30-47) of 18 human EST clones obtained from a BLAST search of the LifeSeq™ database used to identify the full sequence encoding VEGF-X.

Please replace the paragraph beginning at page 23, line 22 with the amended paragraph/line as follows:

Figure 15: depicts the nucleotide sequences (SEQ ID NOs:48-97) of 50 human EST clones obtained from the LifeSeq™ database.

Please replace the paragraph beginning at page 23, line 31 with the amended paragraph/line as follows:

Figure 17: is a nucleotide sequence (SEQ ID NO:113 and SEQ ID NO:114) coding for a partial VEGF-X protein according to the invention.

Please replace the paragraph beginning at page 23, line 35 with the amended paragraph/line as follows:

Figure 18: is an illustration of a partial nucleotide sequence encoding (SEQ ID NO:115 and SEQ ID NO:116) VEGF-X protein according to the invention.

Please replace the paragraph beginning at page 24, line 1 with the amended paragraph/line as follows:

Figure 19: is an illustration of a DNA (SEQ ID NO:117) and polypeptide sequence (SEQ ID NO:118) used for mammalian cell expression of VEGF-X. The predicted VEGF-X signal sequence is in lower case letters. The C-terminal V5 epitope and His6 sequences are underlined.

Please replace the paragraph beginning at page 24, line 9 with the amended paragraph/line as follows:

Figure 20: is an illustration of a DNA (SEQ ID NO:119) and polypeptide sequence (SEQ ID NO:120) used for baculovirus/insect cell expression of VEGF-X. In the polypeptide sequence the signal sequence is shown in lower case. The N-terminal peptide tag added to the predicted mature VEGF-X sequence is underlined.

Please replace the paragraph beginning at page 24, line 18 with the amended paragraph/line as follows:

Figure 21: is an illustration of a DNA (SEQ ID NO:121) and polypeptide sequence (SEQ ID NO:122) used for *E. coli* expression of VEGF-X. The polypeptide sequences at the N- and C- termini derived from the MBP fusion and His6 tag respectively are underlined.

Please replace the paragraph beginning at page 25, line 29 with the amended paragraph/line as follows:

Figure 24: is an illustration of the DNA (SEQ ID NO:123) and polypeptide sequence (SEQ ID NO:124) used for *E. coli* expression of the VEGF-like domain of VEGF-X. Polypeptide sequences at the N-terminus of the protein derived from the vector are underlined.

Please replace the paragraph beginning at page 26, line 8 with the amended paragraph/line as follows:

Figure 26: illustrates a DNA (SEQ ID NO:125) and polypeptide sequence (SEQ ID NO:126) used for *E. coli* expression of the CUB-like domain of VEGF-X. The polypeptide sequence at the N-terminus derived from the vector-encoded signal and the introduced His6 tag are underlined.

Please replace the paragraph beginning at page 27, line 1 with the amended paragraph/line as follows:

Figure 30: depicts the partial intron/exon structure of the VEGF-X gene. (A) Genomic DNA sequences of 2 exons (SEQ ID NO:127 and SEQ ID NO:128) determined by sequencing; exon sequence is in upper case, intron sequence is in lower case. (B) Shows the location of splice sites within the VEGF-X cDNA sequence (SEQ ID NO:129 and SEQ ID NO:130). The location of mRNA splicing events is indicated by vertical lines. The cryptic splice donor/acceptor site at nt. 998/999

Serial No.: 09/468,647
Conf. No.: 3881

- 6 -

Art Unit: 1646

(diagonal lines) gives rise to the splice variant forms of VEGF-X. No splice site information is given for the region shown in italics.

Please substitute the sequence listing filed herewith for the presently pending sequence listing.